



ELECTRONIC TUBE REFERENCE

PJ21

Power - Triode Single (under 10W) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

General Electric high-vacuum Plotron power triode for amplification and relay applications. Published linear operation provides about 1.7 W output at 5% second-harmonic distortion from a 350 V plate supply.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	4.5 V / 1.1 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
TRANSCONDUCTANCE	0.00095 S
AMPLIFICATION FACTOR	3
MAXIMUM PLATE VOLTAGE	350 V
MAXIMUM PLATE DISSIPATION	7.5 W
MAXIMUM CATHODE CURRENT	195 mA

High-vacuum Plotron triode for amplification and relay applications.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1968 General Electric Co

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1968 GENERAL ELECTRIC CO

Section 1 · Triode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filament voltage cciuerieeno	45 V	Published datasheet value; semantic OCR text extraction.
Filament current veve	1.1 A	Published datasheet value; semantic OCR text extraction.
Grid voltage . . e –	83 V	Published datasheet value; semantic OCR text extraction.
Grid-plate transconductance	950 μ S	Published datasheet value; semantic OCR text extraction.

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
D-c plate voltage . 350	350 V	Published datasheet value; semantic OCR text extraction.
Plate dissipation . . . e	7.5 W	Published datasheet value; semantic OCR text extraction.
D-cplatecurrent. . e i	195 mA	Published datasheet value; semantic OCR text extraction.
Plate power output, 5% second harmonic	1.7 W	Published datasheet value; semantic OCR text extraction.